

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/050359

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01R35/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01R G06F H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 290 517 B1 (ANDERSON GLEN J) 18 September 2001 (2001-09-18)	1-4, 7
Y	column 4, line 54 – column 5, line 22; figures 3, 4	5, 6
Y	US 6 164 989 A (MCDANIELS STEVE R ET AL) 26 December 2000 (2000-12-26) column 8, line 63 – column 9, line 20; figures 10, 11	5, 6
X	US 5 093 729 A (YOSHIZUMI JUNICHI ET AL) 3 March 1992 (1992-03-03) abstract; figures 1-3	1-4, 7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

24 June 2004

Date of mailing of the International search report

02/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Criqui, J-J

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/050359

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6290517	B1	18-09-2001	NONE			
US 6164989	A	26-12-2000	US US US AU WO	5773332 A 5411405 A 6089922 A 1177795 A 9513633 A1		30-06-1998 02-05-1995 18-07-2000 29-05-1995 18-05-1995
US 5093729	A	03-03-1992	JP JP JP JP JP JP JP JP AU AU BR DE GB	3024273 U 3030369 U 3030370 U 3030371 U 3030373 U 3030374 U 3030372 U 622017 B2 5384090 A 9001946 A 4014174 A1 2232019 A ,B		13-03-1991 26-03-1991 26-03-1991 26-03-1991 26-03-1991 26-03-1991 26-03-1991 26-03-1992 01-11-1990 30-07-1991 31-10-1990 28-11-1990